

# Dan Tasse

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PHD THESIS      Social Media Neighborhood Guides. Proposed April 2016, to be defended May 2017. Committee: Jason Hong, Jodi Forlizzi, Niki Kittur, Judd Antin.

CONFERENCE AND JOURNAL PAPERS      Dan Tasse, Zichen Liu, Alex Sciuto, and Jason Hong. 2016. *State of the Geotags: Motivations and Recent Changes*. In submission to the International Conference on Web and Social Media (ICWSM), 2017.

Dan Tasse, Alex Sciuto, and Jason Hong. 2016. *Our House, In The Middle Of Our Tweets*. International Conference on Web and Social Media (ICWSM), 2016.

Dan Tasse, Anupriya Ankolekar, and Joshua Hailpern. 2016. *Getting Users Attention in Web Apps in Likable, Minimally Annoying Ways*. The ACM CHI Conference on Human Factors in Computing Systems.

David Gerritsen, Dan Tasse, Jennifer Olsen, Tatiana Vlahovic, Rebecca Gulotta, Jason Wiese, William Odom, and John Zimmerman. 2016. *Mailing Archived Emails As Postcards: Probing the Value of Virtual Collections*. The ACM CHI Conference on Human Factors in Computing Systems.

SeungJun Kim, Dan Tasse, and Anind Dey. *Making Machine Learning Applications for Time-Series Sensor Data Graphical and Interactive*. To appear in ACM Transactions on Interactive Intelligent Systems, Special Issue on Big Personal Data in Interactive Intelligent Systems, 2016.

WORKSHOP PAPERS AND REPORTS      Dan Tasse and Jason Hong. 2016. *Generating Neighborhood Guides from Social Media*. CityLab workshop at the International Conference on Web and Social Media (ICWSM).

Dan Tasse and Jason Hong. 2014. *Using Social Media Data to Understand Cities*. Workshop on Big Data and Urban Informatics, University of Illinois, Chicago.

Dan Tasse and Jason Hong. 2014. *Finding a City's Activity Bubbles in Geotagged Social Media*. Citizen + X: HCOMP 2014 Workshop on Volunteer-Based Crowdsourcing in Science, Public Health and Government, Pittsburgh.

Dan Tasse and Noah A. Smith. 2008. *SOUR CREAM: Towards Semantic Parsing of Recipes*. Technical Report, number CMU-LTI-08-005, Carnegie Mellon University Language Technologies Institute.

PRESS      Dan Tasse and Jennifer Chou. Emojis of Pittsburgh. Students for Urban Data Systems blog, Jan. 19, 2016. <http://suds-cmu.org/2016/01/19/emojis-of-pittsburgh/>

Irina Zhorov. Social media data as a tool for urban planning? Maybe. Keystone Crossroads, Feb. 4, 2015. <http://crossroads.newsworks.org/index.php/keystone-crossroads/item/78082-social-media-data-as-a-tool-for-urban-planning-maybe->

Rebecca Tuhus-Dubrow. Will Twitter Revolutionize How Cities Plan for the Future? NextCity, Oct. 21, 2014. <http://nextcity.org/daily/entry/urban-planning-twitter-social-media-data>

PROFESSIONAL AND RESEARCH EXPERIENCE      **CMU Human-Computer Interaction Institute**, Pittsburgh, Pennsylvania

*Ph.D. Student*

**August 2012 – Present**

Advised by Prof. Jason Hong. Using geotagged social media data to understand how our cities work.

**Yahoo! Labs**, San Francisco, California

*Intern*

**May 2015 – August 2015**

Advised by David A. Shamma. Analyzed data from Flickr to understand users' photo-taking behaviors in different locations. Developed algorithm to find users' home towns.

**HP Labs**, Palo Alto, California

*Intern*

**May 2014 – August 2014**

Advised by Joshua Hailpern and Anupriya Ankolekar. Ran experiment with 1920 participants to determine how web sites should get users' attention.

**University of Washington**, Seattle, Washington

*Visiting Researcher*

**February 2011 – August 2011**

Implemented "Sea Salt" game online, ran study on human subjects to research fun and engagement. Finished Android OS implementation of the Psychomotor Vigilance Task, a sleepiness test.

**Google, Inc.**, Seattle, Washington

*Frontend Software Engineer*

**August 2008 – April 2011**

Led a team of 2-8 engineers in rewriting the Chrome Web Store Python frontend in Java. Led UI development for Chrome Sync. Added frontend features to Google Analytics.

**CMU Language Technologies Institute**, Pittsburgh, Pennsylvania

*Research Assistant*

**June 2007 – May 2008**

Defined a formalism for semantic parsing of cooking recipes. Collected 300 hand-annotated recipes to create a corpus of data, and attempted two parsing methods.

**Cognitive Tutor Authoring Tools**, Pittsburgh, Pennsylvania

*Intern*

**June 2006 – August 2006**

**Hyland Software, Inc.**, Cleveland, Ohio

*Intern*

**June 2005 – August 2005**

INVITED TALKS

"What Explorers Want, and How Social Media Can Help Us Build It", at Airbnb, June 9, 2016.

"What Modern Tourists Want To Know About Cities, and How Social Media Can Help", at FXPAL, Jan 25, 2017.

PATENTS

Rao, S. J., Jonsson, K., and Tasse, D. Build Audiences Based on Life Stages from Image Data. Filed at Yahoo, October 2015.

Thomee, B., Stadlen, A., Shoemaker, A., Kalantidis, Y., Tasse, D., and Shamma, D.A. Contextual sharing recommendation of media content. Filed at Yahoo, April 2016.

SERVICE

**Reviewed Papers** for CHI 2014-2017, Pervasive Computing 2014, MobileHCI 2015, CSCW 2017, DIS 2017

**Student Volunteer** for Ubicomp 2012, CHI 2014

ADVISING

Advised the following undergraduate and Master's students:

**Summer 2013** Van Erick Custodio, Himanshu Zade

**Fall 2014-Spring 2015** Andy Dong Hyun Choi (won 2nd place, Yahoo Undergraduate Research Award, for this work), Jennifer Chou, Hong Bin Shim, Emily Su

**Summer 2015** Jennifer Chou, Joshua Herman, Jinny Hyun Ji Kim, Eva Peng, Emily Su

**Fall 2015** Andy Dong Hyun Choi, Jennifer Chou, Emily Su

**Spring 2016** Andy Dong Hyun Choi, Emily Su

**Spring 2017** Sriram Venkiteswaran

TEACHING

**Fall 2006, Fall 2007** Concepts of Mathematics (Introductory Discrete Math)

**Fall 2014** Software Structures for User Interfaces: Web Lab

**Fall 2015** User-Centered Research and Evaluation

EDUCATION

**Carnegie Mellon University**, Pittsburgh, Pennsylvania

*Ph.D., Human-Computer Interaction*

**August 2012 – Present**

**Carnegie Mellon University**, Pittsburgh, Pennsylvania

*M.S., Human-Computer Interaction*

**Completed May 2015**

**Carnegie Mellon University**, Pittsburgh, Pennsylvania

*B.S., Computer Science*

with an additional major in Cognitive Science

GPA: 3.8/4.0

**August 2004 – May 2008**

**Maastricht University**, Maastricht, The Netherlands

*Study Abroad, Department of Knowledge Engineering*

**January 2007 – May 2007**